(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 25 August 2005 (25.08.2005)

PCT

(10) International Publication Number WO 2005/078884 A3

(51) International Patent Classification7:

H02G 3/22

(21) International Application Number:

PCT/NL2005/000099

(22) International Filing Date: 10 February 2005 (10.02.2005)

(25) Filing Language:

Dutch

(26) Publication Language:

English

(30) Priority Data:

1025485

13 February 2004 (13.02.2004) N

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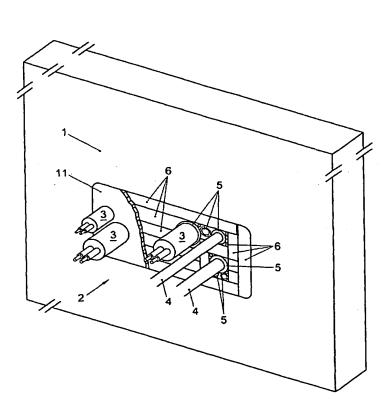
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR SEALING AN OPENING IN A WALL IN WHICH AT LEAST ONE TRANSPORT DEVICE SUCH AS A CABLE, CONDUIT OR TUBE HAS BEEN FED THROUGH



(57) Abstract: A system comprising first and second fire-resistant parts for at least temporary fire-resistant sealing of an opening in a wall in which at least one transport device such as a cable, conduit or tube has been fed through. or will be fed through, wherein the first and second parts are each at least partly placeable in the opening, wherein the first parts are designed to at least partly envelop the transport device and wherein the second parts are designed to be placed between the first parts and/or between the first parts and an inner wall of the opening for the purpose of at least virtually completely sealing the opening, wherein the first parts are substantially manufactured from a fire-resistant rubber, wherein the second parts are manufactured from a fire-resistant material based on an elastomeric foam with a substantially closed cell structure, in which foam, at least one crust-forming, fire-retardant material is included.

WO 2005/078884 A3



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 8 December 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

PCT/NL2005/000099

		PCT	/NL2005/000099
A. CLASSI IPC 7	FICATION OF SUBJECT MATTER H02G3/22		
According t	o International Patent Classification (IPC) or to both national classi	fication and IPC	
	SEARCHED		
Minimum do IPC 7	ocumentation searched (classification system followed by classific H02G	ation symbols)	
Documenta	tion searched other than minimum documentation to the extent that	it such documents are included in	the fields searched
	data base consulted during the international search (name of data ternal, WPI Data, PAJ	base and, where practical, search	h terms used)
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.
A	WO 03/067136 A (BEELE JOHANNES BEELE ENG BV (NL)) 14 August 2003 (2003-08-14) the whole document	1-7, 13-17	
A	DE 34 46 503 A (DOEPFL RUDOLF G 14 August 1985 (1985-08-14) page 10, last paragraph - page 7; figures	1,5,6	
A	WO 03/013658 A (BEELE JOHANNES BEELE ENG BV (NL)) 20 February 2003 (2003-02-20) the whole document	ALFRED ;	1,7,8, 11-14
Fur	ther documents are listed in the continuation of box C.	χ Patent family membe	ers are listed in annex.
"A" docum consi "E" earlier filing "L" docum which citatic "O" docum other "P" docum	ategories of cited documents: nent defining the general state of the art which is not dered to be of particular relevance document but published on or after the International date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or means nent published prior to the international filing date but than the priority date claimed	or priority date and not in cited to understand the printer invention "X" document of particular relecannot be considered no involve an inventive step "Y" document of particular relecannot be considered to document is combined when the considered to the cons	after the international filing date in conflict with the application but brinciple or theory underlying the devance; the claimed invention over the considered to when the document is taken alone devance; the claimed invention involve an inventive step when the with one or more other such docunition of the country of the
	e actual completion of the international search 13 October 2005	Date of mailing of the Inte	
	mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	Authorized officer Rieutort,	

INTERNATIONAL SEARCH REPORT

PCT/NL2005/000099

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
WO 03067136	A	14-08-2003	AU	2003208660	A1	02-09-2003
			CA	2475371	A1	14-08-2003
			EP	1472482	A1	03-11-2004
			JP	2005517143	T	09-06-2005
			NL	1019919	C2	08-08-2003
			US	2005179214	A 1	18-08-2005
DE 3446503	Α	14-08-1985	AT	382045	A	29-12-1986
			ΑT	44384	Α	15-05-1986
			SE	462543	В	09-07-1990
			SE	8406234	Α	11-08-1985
WO 03013658	Α	20-02-2003	EP	1414528	A1	06-05-2004
	-	–	JP	2005526527	T	08-09-2005
			NL	1018722	C2	10-02-2003
			ÜS	2004231880	A1	25-11-2004